

AMENDMENTS TO THE CLAIMS

1. **(Currently amended)** An isolated or recombinant immunogenic polypeptide comprising a *Lawsonia spp.* SodC Polypeptide, a variant, or a truncated variant thereof, wherein said variant or truncated variant mimics or cross-reacts with a B-cell or T-cell epitope of *Lawsonia spp.* SodC Polypeptide the amino acid sequence encoded by the SodC-encoding nucleotide sequence of pALK14 (ATCC 207155).
2. **(Cancelled)**
3. **(Cancelled)**
4. **(Currently amended)** The isolated or recombinant immunogenic polypeptide of claim 1 wherein the *Lawsonia spp.* is *L. intracellularis* amino acid sequence is set forth in SEQ ID NO: 1.

Claim 5-13 (Cancelled)

14. **(Currently Amended)** The isolated or recombinant immunogenic polypeptide of claim 13 consisting essentially of the amino acid sequence of SEQ ID NO: 1 or the amino acid sequence encoded by the SodC-encoding nucleotide sequence of pALK14 (ATCC 207155).

Claim 15-20 (Cancelled)

21. **(Currently Amended)** An immunogenic A vaccine composition for the prophylaxis or treatment of infection of an animal by *Lawsonia spp.*, said vaccine composition comprising an effective amount of an immunogenic component comprising an the isolated or recombinant polypeptide according to Claim 1 comprising having at least about 70% sequence identity to the amino acid sequence set forth in SEQ ID NO: 1, or at least about 50% sequence identity to amino acid residues 1 to 42 of SEQ ID NO: 1 or an immunogenic homologue, or derivative thereof which is immunologically cross-reactive with *Lawsonia intracellularis*; and one or more carriers, diluents or adjuvants suitable for veterinary or pharmaceutical use.

22. **(Cancelled)**

23. **(Currently Amended)** The immunogenic vaccine composition according to claim 21 wherein the isolated or recombinant polypeptide consists essentially of comprises the amino acid sequence set forth in SEQ ID NO: 1 or the amino acid sequence encoded by the SodC-encoding nucleotide sequence of pALK14 (ATCC 207155).

Claims 24-48 (Cancelled)

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49. **(Currently amended)** The ~~vaccine~~ immunogenic composition of claim 23, wherein the isolated or recombinant polypeptide consists essentially of the amino acid sequence of SEQ ID NO: 1.

Claims 50-57 (Cancelled)